

Appl. No.: 09/764,526
Amdt. dated July 2, 2004
Reply to Office action of May 19, 2004

Proposed Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously presented) A computerized method of saving version and product information of a library in an executable program, comprising:
 - creating a version source file, the version source file containing a version function whose name comprises at least one of version information and product information of the library;
 - compiling the version source file to create a version object file;
 - rebuilding the library to include the version object file; and
 - building the executable program such that the version function whose name comprises at least one of version information and product information of the library is combined into the executable program.
2. (Previously presented) A method of saving as recited in claim 1, wherein creating the version of the source file further comprises:
 - constructing a version string, the version string containing version and product identification information pertaining to the library;
 - combining function symbols with the version string to form the version function;
 - creating a version source file whose name includes a keyword and the name of the at least one library; and
 - storing the version function in the version source file.
3. (Previously presented) A method of saving as recited in claim 1, wherein creating the version source file further comprises:
 - constructing a version string containing version and product identification information pertaining to the library;

Appl. No.: 09/764,528
Amdt. dated July 2, 2004
Reply to Office action of May 19, 2004

combining a build identifier and function symbols with the version string to form a name of the version function;
creating a version source file whose name includes a keyword and the name of the library; and
storing the version function in the version source file.

4. (Original) A method of saving as recited in claim 3, wherein the build identifier is a date on which the build occurs.
5. (Original) A method of saving as recited in claim 3, wherein the build identifier is a number that uniquely identifies the build.
6. (Original) A method of saving as recited in claim 3, wherein the build identifier of a user that performs the build.
7. (Previously presented) A method of saving as recited in claim 1, wherein rebuilding the library further comprises:
 - removing any version object file from the library; and
 - remaking the library to include the version object file.
8. (Original) A method of saving as recited in claim 1, wherein building the executable includes:
 - creating a temporary storage area;
 - obtaining the version object file from the library, the version object file having a name that includes a keyword and the name of the library in which the version object file resides;
 - storing the version object file in the temporary storage area; and
 - compiling into the executable the stored version object file so that the executable contains the version and product information pertaining to the library.

Appl. No.: 09/764,526
Amdt. dated July 2, 2004
Reply to Office action of May 19, 2004

9. (Previously presented) A method of saving as recited in claim 1,
wherein there is a plurality of libraries; and
wherein creating, compiling and rebuilding are performed for each library of
the plurality of libraries.
10. (Previously presented) A method of saving as recited in claim 9,
further comprising, prior to the building step, selecting from the plurality of
libraries a group of libraries needed for the building of the
executable, each library in the group having a version object file; and
wherein building the executable includes:
creating a temporary storage area;
obtaining the version object file from each of the selected
libraries, each version object file having a name that
includes a keyword and the name of the library in
which the version object file resides;
storing each of the version object files in the temporary
storage area;
creating a list of the names of the stored version object files;
and
compiling into the executable each of the stored version
object files in the list so that the executable contains
any functions needed by the executable from each
library in the group and the version and product
information of each library of the group.
11. (Previously presented) A method of saving as recited in claim 9,
further comprising, prior to the building of the executable,
selecting a group of libraries from the plurality of libraries,
each library in the group having a version object file;
building a compound library from the selected group of
libraries, the compound library including a version

Appl. No.: 09/764,526
Amdt. dated July 2, 2004
Reply to Office action of May 19, 2004

object file for the compound library and the version
object files of each library in the group; and

wherein building the executable includes building an executable to include
the compound library, such that the version and product information
of the compound library and each library in the selected group are
combined into the executable program.

12. (Previously presented) A method of saving as recited in claim 11, wherein
building a compound library further comprises:

creating a temporary storage area for holding the object files of each library
of the selected group and the version object file for the compound
library;

extracting all object files, including the version object files, from each library
of the selected group;

storing the extracted object files for all libraries of the selected group in the
temporary storage area;

creating a version source file for the compound library, the version source
file for the compound library containing version and product
information pertaining to the compound library;

compiling the version source file to create a version object file for the
compound library;

storing the version object file in the temporary storage area;

building the compound library from the object files stored in the temporary
storage area;

saving the compound library in a library storage area; and

deleting the temporary storage area.

13. (Previously presented) A method of saving as recited in claim 9,
further comprising, prior to the building of the executable,

selecting a group of libraries from the plurality of libraries, the
group including at least one compound library, and

Appl. No.: 09/764,526
Amdt. dated July 2, 2004
Reply to Office action of May 19, 2004

each library in the group having at least one version object file; and

building a multiple compound library from the selected group of libraries, the multiple compound library including a version object file for the multiple compound library and the version object files of each library in the group; and

wherein building the executable includes building an executable to include the multiple compound library, such that the version and product information of the multiple compound library and each library in the selected group are combined into the executable program.

14. (Currently amended) A computer implemented method comprising:
creating source code file containing a function whose name comprises version information of a library;
compiling the source code file to create an object file placed within the library; and
building an executable program using at least the function from the library such that the version information is contained in the executable program through the presence of the function.
15. (Currently amended) The computer implemented method as defined in claim 14 further comprising creating the source code file containing a void function with an empty body.
16. (Currently amended) The computer implemented method as defined in claim 14 further comprising creating the source code file containing a non-void function with text in the body.
17. (Currently amended) The computer implemented method as defined in claim 14 further comprising creating the source code file containing the function

Appl. No.: 09/764,526
Amdt. dated July 2, 2004
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whose name also comprises product information, and wherein the product information is contained in the executable program through the presence of the function.